

CLAIMS

1 1. A land plane comprising:

2 (a) a main frame including a front end, a rear end, a first side, and a second sides;

3 (b) a first wing frame attached to said first side of said main frame adjacent said
4 front end of said main frame;

5 (c) a second wing frame attached to said second side of said main frame adjacent
6 said rear end of said main frame;

7 (d) a V-shaped scrapper blade means having an apex and mounted beneath said
8 main frame with said apex adjacent said front end of said main frame substantially
9 centered between said first and second sides of said main frame;

10 (e) a first transverse scrapper blade means mounted beneath said main frame, said
11 first wing frame, and said second wing frame; said first transverse scrapper blade means
12 extending diagonally from said first wing frame across said main frame to said second
13 wing frame; said first transverse scrapper blade means having a gap adjacent said second
14 side of said main frame; and

15 (f) a second transverse scrapper blade means mounted beneath said main frame,
16 said first wing frame, and said second wing frame; said second transverse scrapper blade
17 means being parallel to and spaced rearwardly from said first transverse scrapper blade
18 means, and extending diagonally from said first wing frame across said main frame to said
19 second wing frame.

1 2. The land plane of claim 1 in which said first transverse scrapper blade means
2 includes a first scrapper blade mounted beneath said first wing frame, a main scrapper

3 blade mounted beneath said main frame, and a second scrapper blade mounted beneath
4 said second wing frame with said gap of said first transverse scrapper blade means
5 formed between said main and second scrapper blades; and in which said second
6 transverse scrapper blade means includes a first scrapper blade mounted beneath said
7 first wing frame, a main scrapper blade mounted beneath said main frame, and a second
8 scrapper blade mounted beneath said second wing frame.

1 3. The land plane of claim 2 in which said first wing frame is pivotally attached to
2 said first side of said main frame for movement between a raised position and a deployed
3 position; in which said second wing frame is pivotally attached to said second side of
4 said main frame for movement between a raised position and a deployed position.

1 4. A land plane for being pulled by a tow vehicle over a field to smooth and level
2 any irregularities in the surface of the field; said land plane comprising:

3 (a) a main frame including a front end, a rear end, a first side, and a second side;

4 (b) a first wing frame pivotally attached to said first side of said main frame
5 adjacent said front end of said main frame;

6 (c) hydraulic means for causing said first wing frame to pivot between a raised
7 position and a deployed position;

8 (d) a second wing frame pivotally attached to said second side of said main frame
9 adjacent said rear end of said main frame;

10 (e) hydraulic means for causing said second wing frame to pivot between a raised
11 position and a deployed position;

12 (f) a V-shaped scrapper blade means having an apex and mounted to and beneath

13 said main frame with said apex adjacent said front end of said main frame substantially
14 centered between said first and second sides of said main frame;

15 (g) a first transverse scrapper blade means mounted to and beneath said main
16 frame, said first wing frame, and said second wing frame; said first transverse scrapper
17 blade means extending diagonally from said first wing frame across said main frame to
18 said second wing frame; said first transverse scrapper blade means having a gap adjacent
19 said second side of said main frame; said first transverse scrapper blade means includes a
20 first scrapper blade mounted to and beneath said first wing frame, a main scrapper blade
21 mounted to and beneath said main frame, and a second scrapper blade mounted to and
22 beneath said second wing frame with said gap of said first transverse scrapper blade
23 means formed between said main and second scrapper blades;

24 (h) a second transverse scrapper blade means mounted to and beneath said main
25 frame, said first wing frame, and said second wing frame; said second transverse scrapper
26 blade means being parallel to and spaced rearwardly from first transverse scrapper blade
27 means, and extending diagonally from said first wing frame across said main frame to said
28 second wing frame; said second transverse scrapper blade means including a first
29 scrapper blade mounted to and beneath said first wing frame, a main scrapper blade
30 mounted to and beneath said main frame, and a second scrapper blade mounted to and
31 beneath aid second wing frame;

32 (i) a hitch attached to the top of said front end of said main frame for allowing
33 said land plane to be hitched to the tow vehicle; and

34 (j) a hydraulic cylinder between said hitch said the top of said front end of said
35 main frame.